

CLAIMS:

1. Protein that as an active mature protein/peptide (protein) has one of the following sequences:

SEQ ID NO: 1 (Sequence Protocol No. 1) (SAP-2); or

SEQ ID NO: 2 (Sequence Protocol No. 2) (SAP-3);

or

that as an active mature protein has allelic modifications of one of the amino acid sequences that are mentioned above under a), whereby at least one amino acid of the amino acid sequence is substituted, deleted, or inserted, without in this case significantly affecting the activity of the active protein,

or

that as an active, mature protein has post-translational modifications of one of the sequences under a) and b), and said modifications do not significantly affect the activity of the active protein.

2. Protein according to claim 1, which has an antimicrobial and/or antibiotic action.

3. Protein according to claim 1 or 2, which has a mobility of 6 kDa in the SDS-gel electrophoresis.

4. Protein, which comprises a signal sequence and a mature protein according to one of the preceding claims,

whereby the protein has one of the following sequences:

SEQ ID NO: 3 (PreSAP-2); or

SEQ ID NO: 4 (PreSAP-3);

or

whereby the protein has allelic modifications of one of the amino acid sequences that are mentioned above under d), whereby at least one amino acid of the amino acid sequence is substituted, deleted or inserted, without in this case significantly affecting the activity of the mature active protein,

or

whereby the protein has post-translational modifications of one of the sequences under d) and e), and said modifications do not significantly affect the activity of the active mature protein.